

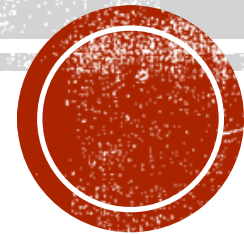
# **MAXILLARY LATERAL INCISOR**

**DENTAL ANATOMY**

**LEC. 4**

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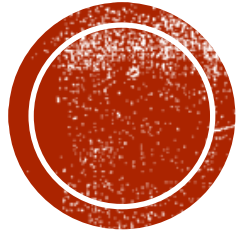




Because the maxillary lateral incisor supplements the central incisor in function , the maxillary lateral incisor resembles the central incisor in form but it is generally smaller in all dimension except the length of the root.



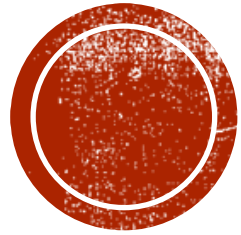




# **PRINCIPAL IDENTIFYING FEATURES OF MAXILLARY LATERAL INCISOR:-**

- **1-**The crown is more rounded, shorter & narrower mesio- distally than the maxillary central incisor.
- **2-**The mesio-incisal angle and the disto-incisal angle are more rounded.
- **3-** It has a single root with a tapered, distally curved and pointed apex.
- **4-**The lingual fossa is more concave than that of maxillary central incisor.





# **THE LABIAL ASPECT:**

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**1-** The crown is shorter and narrower than that of the maxillary central incisor, but the root is as long as or longer than that of the maxillary central incisor.

**2-** The labial surface of the crown is more convex than that of the maxillary central incisor.

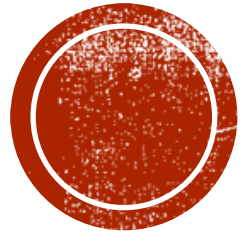
**3-** The mesial outline resembles that of the maxillary central incisor with more rounded mesio-incisal angle with the crest of curvature (contact point) located between the middle and incisal thirds.

**4-** The distal outline is more rounded with crest of curvature (contact point) at the center of middle third.

**5-** The root tapers evenly and curves distally at the apex and ends in a pointed apex.







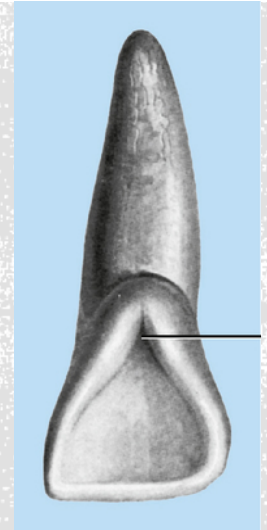
# **THE LINGUAL ASPECT**



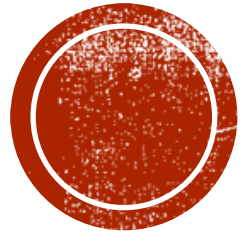
**1- The mesial and distal marginal ridges and the lingual portion of the incisal ridge are well marked with a more concaved lingual fossa.**

**2- The cingulum is prominent.**

**3- It is common to find a deep developmental groove at the side of the cingulum usually on the distal side which may extend up on the root.**







# **THE MESIAL ASPECT**

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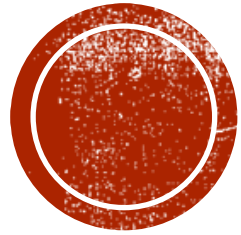


**1-The crown is narrower labio-lingually than the maxillary central incisor.**

**2-The curvature of the cervical line is less than that of the maxillary central incisor.**

**3-The root appears as a tapered cone and a line bisecting the root bisect the incisal ridge.**





# **DISTAL ASPECT**

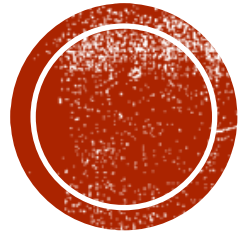




1-The curvature of cervical line distally is less than that of mesially.

2- It is common to find a developmental groove on the crown extending to the root.





# **INCISAL ASPECT**

**1-** The incisal aspect resembles that of the maxillary central incisor but:

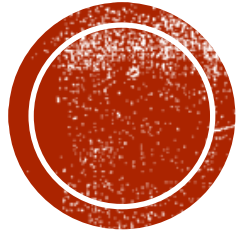
**A-**The cingulum and incisal ridge may be large.

**B-**The labio- lingual to mesio- distal measurement may be larger therefore it resembles a small canine.

**2-** All maxillary lateral incisors exhibit more convexity labially and lingually from the incisal aspect than maxillary central incisor







## **VARIATION FROM THE TYPICAL FORM (ANOMALIES):**



- Maxillary lateral incisors vary in form more than any other tooth in the mouth except the third molar.

**1-** Peg-shape lateral incisor with a thin root and a small conical crown.

**2-** The maxillary lateral incisor may be congenitally missing.

**3-** Large developmental groove on the palatal aspect extending to the root (palatogingival groove, palatoradicular groove ).



Have a  
good day!

**ANY QUESTION??**

My Friends

**Google**

will answer it..



**AHMAD  
ALJOBORY**

